

OVERVIEW

MINI / PANEL MOUNT TERMINALS

INTRODUCTION

SCREW CLAMP TECHNOLOGY

- Screw clamp & Spring Clamp Technology versions
- Extremely Compact wiring solution
- 15mm Mini Rail Terminals
- Modular easy snap together Panel Mount Terminals
- High Temperature Ceramic Solution
- Reliable Gas-tight connection

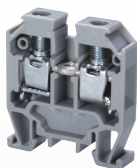
UL
E220514

CE
Lloyd's
Register

IEC
60947-7-1

MATERIAL SPECIFICATIONS

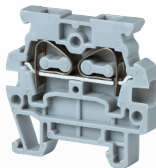
Current Carrying Metal



Screw Terminals

Corrosion free material

- Clamp: Zinc Plated Steel
- Screw: Steel
- Current Bar: Brass/
Tin Plated Copper



Spring Terminals

Corrosion free material

- Spring: Stainless Steel
- Current Bar: Copper Alloy

Terminal Block Housing

- Polyamide PA66 Housing
- Self-extinguishing
- High mechanical strength

Polyamide 66 Specifications

Upper Temperature Limit: 105°C

Lower Temperature Limit: -50°C

Flammability UL94: V2/ V0

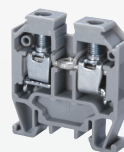
Volume Resistivity: $10^{12} \Omega \text{ cm}$

Surface Resistivity: $10^{10} \Omega$

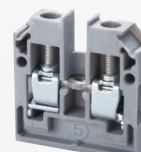
SELECTION GUIDE

Screw Terminal Blocks

- Extremely Compact size
- Various mounting options
 - 15mm Mini Rail
 - Panel Mount
- Modular system
- Jumper Accessories
- Screw Clamp Technology



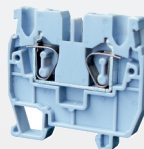
15mm Mini Rail
CMT4
page 89



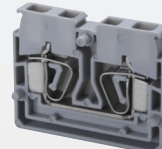
Panel Mount
CMB4
page 90

Spring Clamp Terminal Blocks

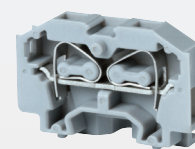
- Extremely Compact size
- Various mounting options
 - 15mm Mini Rail
 - Panel Mount
- Modular Snap together Systems
- Spring Clamp Technology



15mm Mini Rail
CXM2.5
page 91



Panel/DIN Rail
CSCP Series
page 92



Panel Mount
CM Series
page 93

High Temperature Ceramic Terminal Blocks

- High Temperatures up to 600°C
- Ceramic Material
- 3 sizes
- Up to 65A/ 300V
- Free floating or mounting hole option



High Temperature
CB Series
page 94

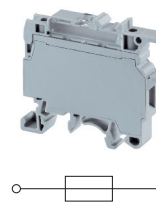
CMT4



CGMT4



CF4U



Dimensions & Weight

	CMT4	CGMT4	CF4U
Width	6 mm	6 mm	8 mm
Length	27 mm	27 mm	57.0 mm
Height w/ DIN15 Rail 15mm	30.4 mm	30.7 mm	50.3 mm 57.6 mm
Weight per piece	5.5 g	9.5 g	14.8 g

Technical Data/Ratings

Approvals	CE, UL, IEC	UL, IEC	UL, IEC
Wire Size (solid / stranded)	22-10 AWG, 0.2-4 mm²	22-10 AWG, 0.2-4 mm²	22-10 AWG, 0.2-4 mm²
Voltage Rating	300 V, 500 V AC/DC	300 V, 500 V AC/DC	600 V, 800 V AC/DC
Current Rating	35 A, 32 A	-	10 A, 6.3 A
Torque	7 lb-in, 0.5 Nm	7 lb-in, 0.8 Nm	7 lb-in, 0.5 Nm
Insulation Material	Polyamide 66	Polyamide 66	Polyamide 66

Installation Instructions

Wire Stripping Length	8 mm	8 mm	9.5 mm
Screwdriver	Flat Head 0.6 x 3.5 mm	Flat Head 0.6 x 3.5 mm	Flat Head 0.6 x 3.5 mm

Terminal Blocks

	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
Grey (standard)	CMT4	100	CGMT4	100	CF4U	50
Red R	CMT4/R	100	Yellow/Green		CF4U/BU	50
Blue BU	CMT4/BU	100			CF4U/BL	50
Black BL	CMT4/BL	100				
Orange O	CMT4/O	100				
Green G	CMT4/G	100				
Yellow Y	CMT4/Y	100				
White W	CMT4/W	100				

Accessories

	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
End Plate	EPCMT4	50	-	-	-	-
Isolation Partition	PPCMT4	50	-	-	-	-
DIN Rail	CA601/S	50	CA601/S	50	CA601/S	50
End Clamp	CA602	100	CA602	100	-	-
Internal Jumper	2 pole: CA727/2, 3 pole: CA727/3, 4 pole: CA727/4, 10 pole: CA727/10	100, 100, 100, 10	-	-	-	-
Insulated Internal Jumper	2 pole: CA747/2, 3 pole: CA747/3, 4 pole: CA747/4, 10 pole: CA747/10	100, 100, 100, 10	-	-	-	-
External Jumper	2 pole: CA714/2, 3 pole: CA714/3, 4 pole: CA714/4, 10 pole: CA714/10	100, 100, 100, 20	CA714/2, CA714/3, CA714/4, CA714/10	100, 100, 100, 20	CA711/2, CA711/3, CA711/4, CA711/10	100, 50, 50, 20
Test Socket	CA707/TS/03	100	CA707/TS/03	-	-	-
Marking Tag	MT2	1 Pk. (100 tags)	MT2	1 Pk. (100 tags)	MT8, MT6	1 Pk. (100 tags), 1 Pk. (100 tags)

HIGHLIGHTS

FEATURES

- Extremely Compact Size
- Screw Cage Clamp
- Mountable on DIN15 Mini Rail
- Feed Through Terminal
- Ground Terminal
- Internal Jumper possibility
- EX / IECEx approved

APPLICATIONS

- Limited Space Panels
- High Density Wiring Solutions

PANEL MOUNT CMB SERIES

MINI / PANEL MOUNT TERMINALS

PANEL MOUNT SCREW TERMINAL BLOCKS

HIGHLIGHTS

FEATURES

- Extremely Compact Size
- Screw Cage Clamp
- Panel Mountable with any length M3 screw
- End / Mounting Section with M3 mounting holes
- Stackable design for flexible length configurations
- Modular snap-together design for quick assembly and installation
- Endplates with mounting holes
- Internal Jumper possibility
- EX / IECEx approved
- Pre-assembled Blocks available in all pole configurations and various colors

APPLICATIONS

- Cost Effective Wiring Solutions
- Compact Wiring Solutions
- Panel Mount Designs
- High Density Wiring

CMB4



2 Connection Feed Through

Dimensions & Weight

Width	6 mm
Length	27 mm
Height	28 mm
Weight per piece	5.5 g

Technical Data/Ratings

Approvals	CE, E220514, IEC 60947-7-1
Wire Size (solid / stranded)	22-10 AWG, 0.2-4 mm ²
Voltage Rating	300 V, 500 V AC/DC
Current Rating	35 A, 32 A
Torque	7 lb-in, 0.5 Nm
Insulation Material	Polyamide 66

Installation Instructions

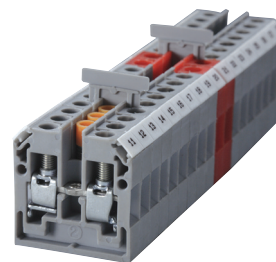
Wire Stripping Length	8 mm
Screwdriver	Flat Head 0.6 x 3.5mm
Mounting Screw	Any length M3 screw may be used

Terminal Blocks

	Cat. No.	Std. Pk.
Grey (standard)	CMB4	100
Red R	CMB4/R	100
Blue BU	CMB4/BU	100
Black BL	CMB4/BL	100
Orange O	CMB4/O	100
Green G	CMB4/G	100
Yellow Y	CMB4/Y	100
White W	CMB4/W	100

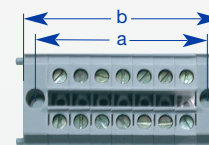
Accessories

	Cat. No.	Std. Pk.
End / Mounting Section	EPCMB4	50
Separator Plate	SPCMB4	50
Internal Jumper	CA727/2, CA727/3, CA727/4, CA727/10	100, 100, 100, 10
Insulated Internal Jumper	CA747/2, CA747/3, CA747/4, CA747/10	100, 100, 100, 10
External Jumper	CA714/2, CA714/3, CA714/4, CA714/10	100, 100, 100, 20
Test Socket	CA707/TS/01	100
Marking Tag	MT2	1 Pk. (100 tags)

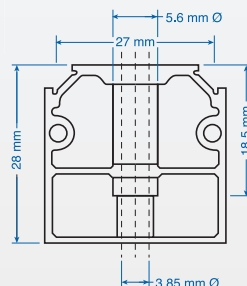


Pre-assembled Terminal Blocks

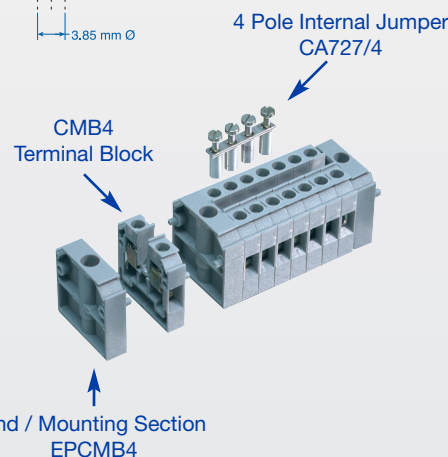
No. of Poles	Cat. No	Total Width (a)	Hole Spacing (b)
2	CMB4/2	26 mm (1.02")	19 mm (0.75")
3	CMB4/3	32 mm (1.26")	25 mm (0.98")
4	CMB4/4	38 mm (1.50")	31 mm (1.22")
5	CMB4/5	44 mm (1.73")	37 mm (1.46")
6	CMB4/6	50 mm (1.97")	43 mm (1.69")
7	CMB4/7	56 mm (2.20")	49 mm (1.93")
8	CMB4/8	62 mm (2.44")	55 mm (2.17")
9	CMB4/9	68 mm (2.68")	61 mm (2.40")
10	CMB4/10	74 mm (2.91")	67 mm (2.64")
11	CMB4/11	80 mm (3.15")	73 mm (2.87")
12	CMB4/12	86 mm (3.39")	79 mm (3.11")
13	CMB4/13	92 mm (3.62")	85 mm (3.35")
14	CMB4/14	98 mm (3.86")	91 mm (3.58")
15	CMB4/15	104 mm (4.09")	97 mm (3.82")
16	CMB4/16	110 mm (4.33")	103 mm (4.06")
17	CMB4/17	116 mm (4.57")	109 mm (4.29")
18	CMB4/18	122 mm (4.80")	115 mm (4.53")
19	CMB4/19	128 mm (5.04")	121 mm (4.76")
20	CMB4/20	134 mm (5.28")	127 mm (5.00")
21	CMB4/21	140 mm (5.51")	133 mm (5.24")
22	CMB4/22	146 mm (5.75")	139 mm (5.47")
23	CMB4/23	152 mm (5.98")	145 mm (5.71")
24	CMB4/24	158 mm (6.22")	151 mm (5.94")



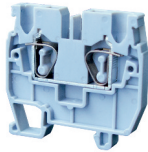
Dimensions CMB4



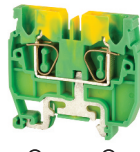
Mounting Section Dimensions EPCMB4



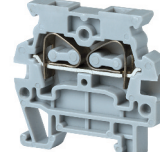
CXM2.5



CXMG2.5



CMS2.5



Dimensions & Weight

	CXM2.5	CXMG2.5	CMS2.5
Width	5 mm	5 mm	5 mm
Length	37 mm	37 mm	31 mm
Height w DIN Rail 15 x 5.5 mm	35 mm	35 mm	30.15 mm
Weight per piece	5.9 g	10.3 g	5.9 g

Technical Data/Ratings

Approvals				
Wire Size (solid / stranded)	24-12 AWG	0.2-2.5 mm ²	24-12 AWG	0.2-2.5 mm ²
Voltage Rating	600 V	1000V AC/DC	600 V	1000V AC/DC
Current Rating	20 A	24 A	-	-
Insulation Material	Polyamide 66		Polyamide 66	

Installation Instructions

Wire Stripping Length	10 mm	10 mm	9 mm
Screwdriver	Flat Head 0.5 x 3 mm	Flat Head 0.5 x 3 mm	Flat Head 0.5 x 3 mm

Terminal Blocks

	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
Grey (standard)	CXM2.5	100	CXMG2.5	100	CMS2.5	100
Red R	CXM2.5/R	100	Yellow/Green		CMS2.5/R	100
Blue BU	CXM2.5/BU	100			CMS2.5/BU	100
Black BL	CXM2.5/BL	100			CMS2.5/BL	100
Orange O	CXM2.5/O	100			CMS2.5/O	100
Green G	CXM2.5/G	100			CMS2.5/G	100
Yellow Y	CXM2.5/Y	100			CMS2.5/Y	100
White W	CXM2.5/W	100			CMS2.5/W	100

Accessories

	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
End Plate	EPCXM2.5	50	EPCXM2.5	50	EPCMS2.5	50
DIN Rail 15mm	CA601/S	50	CA601/S	50	CA601/S	50
End Clamp	CA602	100	CA602	100	CA602	100
Jumper						
2 pole	JX2.5/2	100	JX2.5/2	100	-	-
3 pole	JX2.5/3	50	JX2.5/3	50	-	-
4 pole	JX2.5/4	50	JX2.5/4	50	-	-
5 pole	JX2.5/5	50	JX2.5/5	50	-	-
6 pole	JX2.5/6	10	JX2.5/6	10	-	-
7 pole	JX2.5/7	10	JX2.5/7	10	-	-
8 pole	JX2.5/8	10	JX2.5/8	10	-	-
10 pole	JX2.5/10	10	JX2.5/10	10	-	-
Spring Clamp Actuator	SCA2-5	1	SCA2-5	1	-	-
Marking Tag	MT5	1 Pk. (100 tags)	MT5	1 Pk. (100 tags)	MT5	1 Pk. (100 tags)

Operating Tool
for use with
CXM2.5



HIGHLIGHTS

FEATURES

- Extremely Compact Size
- Spring Clamp Style
- Mountable on DIN 15 Mini Rail
- Feed Through Terminal
- Ground Terminal
- Side Entry Feed Through
- 2, 3, 4, 5, 6, 7, 10 pole Push-In Jumpers
- EX / IECEx approved

APPLICATIONS

- Limited Space Panels
- High Density Wiring Solutions
- Machine Control Panels
- High Vibration Applications

PANEL MOUNT CSCP SERIES

MINI / PANEL MOUNT TERMINALS

HIGHLIGHTS

FEATURES

- Extremely Compact Size
- Screw Cage Clamp
- Panel Mountable with any screw
- Endplates with screw flange
- Stackable design for flexible length configurations
- Modular snap-together design for quick assembly and easy installation
- External Jumper possibility
- EX / IECEx approved
- Custom assemblies available in all pole configurations and various colors

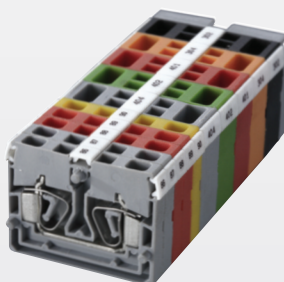
APPLICATIONS

- Cost Effective Panel Mount Designs
- Limited Space Panels
- High Density Wiring Solutions
- Machine Control Panels
- High Vibration Applications

Operating Tool
for use with
CSCP2.5T2



Custom
Assembly
Example



PANEL MOUNT SPRING TERMINAL BLOCKS

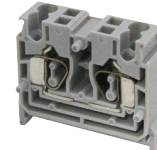
CSCP2.5T



CSCP2.5T2



CXCP2.5/4



Dimensions & Weight

	CSCP2.5T	CSCP2.5T2	CXCP2.5/4
Width	5 mm	10 mm	10 mm
Length	35 mm	35 mm	35 mm
Height w DIN Rail	35 x 7.5 mm 35 x 15 mm	21.3 mm (Panel Mount)	34.5 mm 42 mm
Weight per piece	5.0 g	9.5 g	9.5 g

Technical Data/Ratings

Approvals	      E220514	 ^{US}  ^{US} E220514	 60947-7-1	 ^{US}  ^{US} E220514	 60947-7-1	 ^{US}  ^{US} E220514	 60947-7-1
Wire Size (solid / stranded)	22-14 AWG	0.2-2.5 mm ²	22-14 AWG	0.2-2.5 mm ²	22-12 AWG	0.2-2.5 mm ²	
Voltage Rating	600 V	800 V AC/DC	600 V	800 V AC/DC	600 V	800 V AC/DC	
Current Rating	20 A	24 A	20 A	24 A	20 A	24 A	
Insulation Material	Polyamide 66		Polyamide 66		Polyamide 66		

Installation Instructions

Wire Stripping Length	11 mm	11 mm	10 mm
Screwdriver	Flat Head 0.5 x 3 mm	Flat Head 0.5 x 3 mm	Flat Head 0.5 x 3 mm
Mounting Screw	Any length M3 screw may be used	Any length M3 screw may be used	—

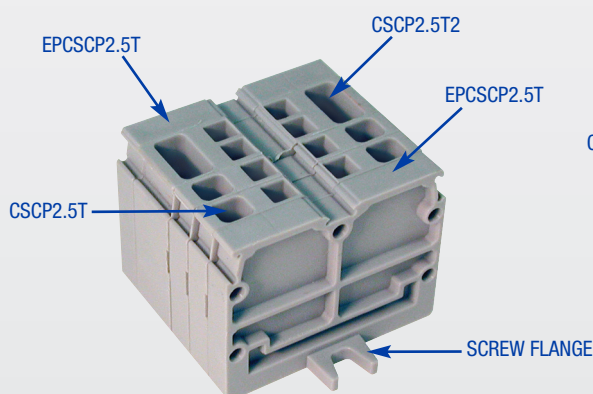
Terminal Blocks

	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
Grey (standard)	CSCP2.5T	100	CSCP2.5T2	100	CXCP2.5/4	100
Red R	CSCP2.5T/R	100	CSCP2.5T2/R	100	CXCP2.5/4/R	100
Blue BU	CSCP2.5T/BU	100	CSCP2.5T2/BU	100	CXCP2.5/4/BU	100
Black BL	CSCP2.5T/BL	100	CSCP2.5T2/BL	100	CXCP2.5/4/BL	100
Orange O	CSCP2.5T/O	100	CSCP2.5T2/O	100	CXCP2.5/4/O	100
Green G	CSCP2.5T/G	100	CSCP2.5T2/G	100	CXCP2.5/4/G	100
Yellow Y	CSCP2.5T/Y	100	CSCP2.5T2/Y	100	CXCP2.5/4/Y	100
White W	CSCP2.5T/W	100	CSCP2.5T2/W	100	CXCP2.5/4/W	100

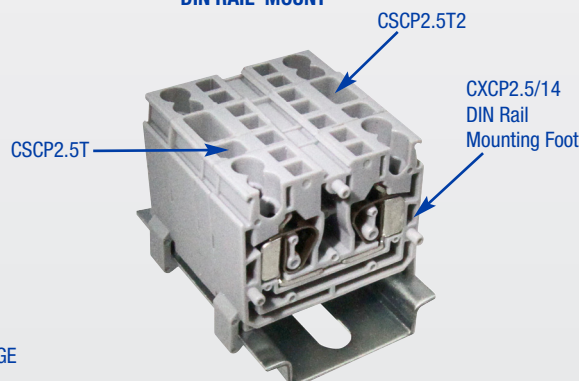
Accessories

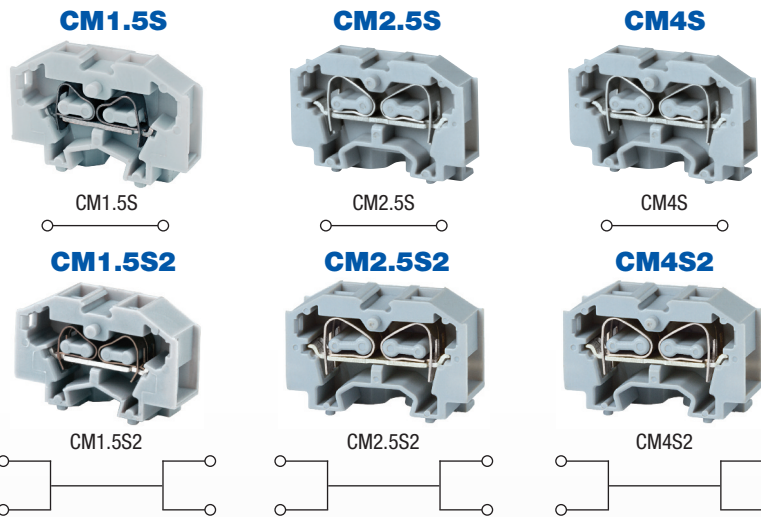
	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
End Section	EPCSCP2.5T	25	EPCSCP2.5T	25	EPCXCP2.5	25
Insulated Jumpers (2 pole)	CA803/1	100	CA803/1	100	CA803/1	100
Marking Tag	MT4	1 Pk. (100 tags)	MT3	1 Pk. (100 tags)	MT3	1 Pk. (100 tags)
Operating Tool	SCA2-5	1	SCA2-5	1	SCA2-5	1

PANEL MOUNT



DIN RAIL MOUNT



**Dimensions**

Width	2 Connection	5 mm	6 mm	7 mm
	4 Connection	8 mm	10 mm	12 mm
Length		26.5 mm	30.0 mm	33.7 mm
Height (Panel Mount)		18.0 mm	20.0 mm	23.0mm
Weight per piece		1.8 / 3.8 g	3.2 / 5.2 g	g

Technical Data/Ratings

Approvals						
Wire Size (solid / stranded)	24-16 AWG		22-12 AWG		22-14 AWG	
Voltage Rating	300 V		300 V		300 V	
Current Rating	10 A		20 A		26 A	
Insulation Material	Polyamide 66		Polyamide 66		Polyamide 66	

Installation Instructions

Wire Stripping Length	8 mm	9 mm	8 mm
Screwdriver	Flat Head 0.5 x 3 mm	Flat Head 0.5 x 3 mm	Flat Head 0.6 x 3.5 mm

Terminal Blocks**2 Connections**

	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
Grey (standard)	CM1.5S	100	CM2.5S	100	CM4S	100
Red R	CM1.5S/R	100	CM2.5S/R	100	CM4S/R	100
Blue BU	CM1.5S/BU	100	CM2.5S/BU	100	CM4S/BU	100
Black BL	CM1.5S/BL	100	CM2.5S/BL	100	CM4S/BL	100
Orange O	CM1.5S/O	100	CM2.5S/O	100	CM4S/O	100
Green G	CM1.5S/G	100	CM2.5S/G	100	CM4S/G	100
Yellow Y	CM1.5S/Y	100	CM2.5S/Y	100	CM4S/Y	100
White W	CM1.5S/W	100	CM2.5S/W	100	CM4S/W	100

4 Connections

	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
Grey (standard)	CM1.5S2	100	CM2.5S2	100	CM4S2	100
Red R	CM1.5S2/R	100	CM2.5S2/R	100	CM4S2/R	100
Blue BU	CM1.5S2/BU	100	CM2.5S2/BU	100	CM4S2/BU	100
Black BL	CM1.5S2/BL	100	CM2.5S2/BL	100	CM4S2/BL	100
Orange O	CM1.5S2/O	100	CM2.5S2/O	100	CM4S2/O	100
Green G	CM1.5S2/G	100	CM2.5S2/G	100	CM4S2/G	100
Yellow Y	CM1.5S2/Y	100	CM2.5S2/Y	100	CM4S2/Y	100
White W	CM1.5S2/W	100	CM2.5S2/W	100	CM4S2/W	100

Accessories

	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
End Plate	EPCM1.5S	50	EPCM2.5S	50	EPCM4S	50
Spring Clamp Actuator	SCA2-5	1	SCA2-5	1	SCA2-5	1
Marking Tag	MT4	1 Pk. (100 tags)	MT2	1 Pk. (100 tags)	MT6	1 Pk. (100 tags)
	MT7.5	1 Pk. (100 tags)	MT7.5	1 Pk. (100 tags)	MT12	1 Pk. (100 tags)

**HIGHLIGHTS****FEATURES**

- Extremely Compact Size
- Spring Clamp Style
- End Sections with screw flanges
- 3 wire sizes
- 2, 4 connection terminals
- All colors

APPLICATIONS

- Transformer Terminal Blocks
- Very Limited Space Applications
- Machine Control Panels

HIGHLIGHTS

FEATURES

- Suitable for High Temperatures up to 600°C (1112°F)
- Temperature Rating -40°C - 600°C
- 3 Sizes
- 1, 2, 3, 4 Pole configurations
- Free floating or Panel Mount
- Up to 65A
- Material:
 - Housing: Steatite
 - Clamp: Brass
 - Screws: Zinc Plated Steel

APPLICATIONS

- High Temperature Environments
- Furnaces
- Heaters
- Process Equipment
- Machinery

Technical Data/Ratings

Approvals									
Wire Size (solid / stranded)	24-12 AWG	24-12 AWG	0.5-2.5mm ²	22-10 AWG	22-10 AWG	0.5-4mm ²	18-6 AWG	20-6 AWG	0.5-2.5mm ²
Voltage Rating	300 V	300 V	800 VAC/DC	300 V	300 V	800 VAC/DC	300 V	300 V	800 VAC/DC
Current Rating	20 A	30 A	24 A	30 A	40 A	32 A	65 A	76 A	57 A
Torque	6 lb-in	6 lb-in	0.4 Nm	6 lb-in	6 lb-in	0.5 Nm	12 lb-in	12 lb-in	1.2 Nm
Insulation Material	Ceramic			Ceramic			Ceramic		

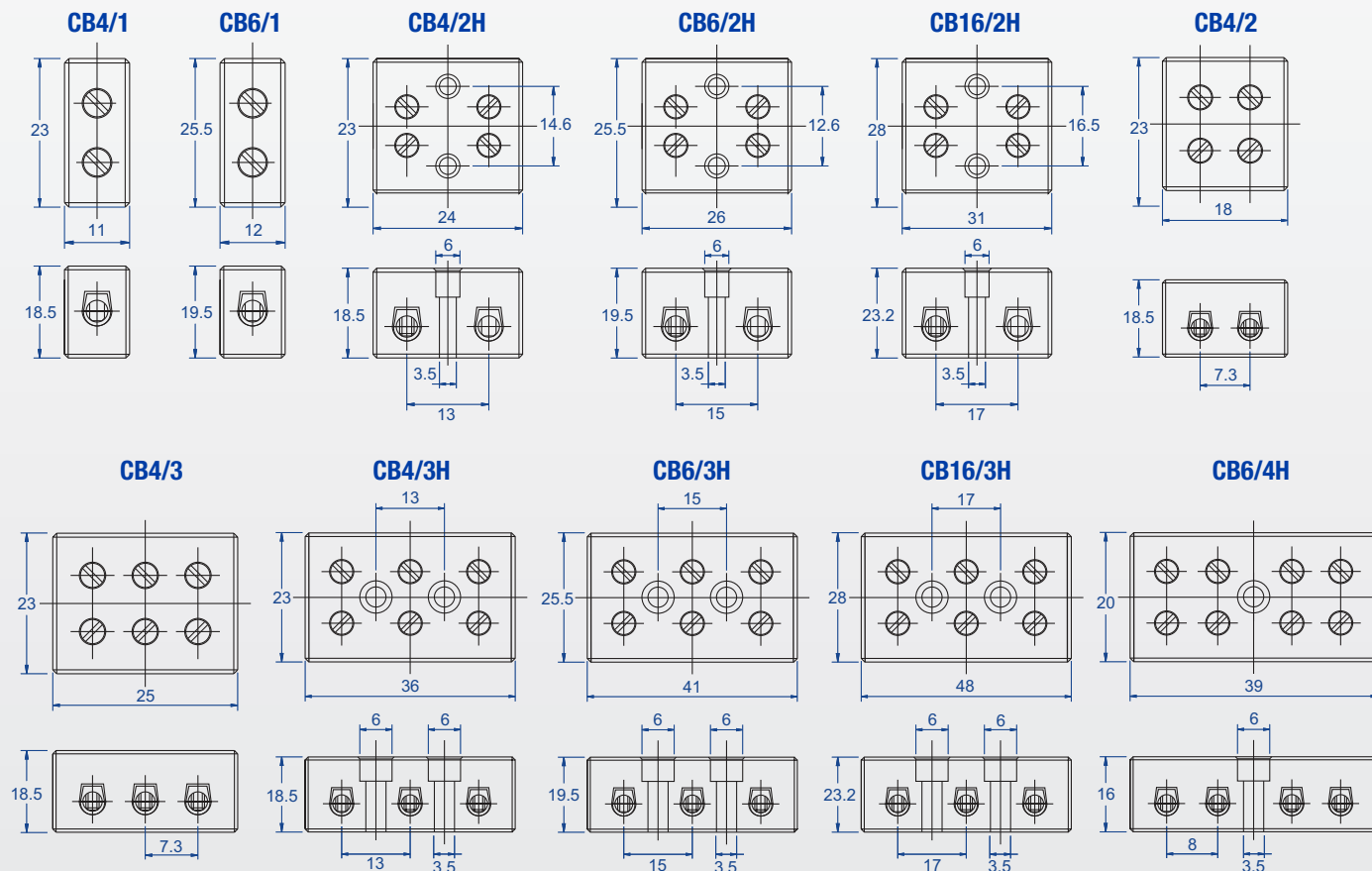
Installation Instructions

Wire Stripping Length	8 mm			8 mm			8 mm		
Screwdriver	Flat Head 0.5 x 3 mm			Flat Head 0.8 x 4 mm			Flat Head 0.8 x 4 mm		
Mounting Hole Size	3.5 mm			3.5 mm			3.5 mm		
Recommended Mounting Screw	M3 x 16			M3 x 16			M3 x 20		

Terminal Blocks

		Cat. No.	Std. Pk.	Weight			Cat. No.	Std. Pk.	Weight			Cat. No.	Std. Pk.	Weight
1 pole	free floating	CB4/1	50	11.7 g	CB6/1	50	13.5 g	-	-	-	-	-	-	-
2 pole	free floating	CB4/2	50	18.0 g	-	-	-	-	-	-	-	-	-	-
	with mounting holes	CB4/2H	50	26.1 g	CB6/2H	50	27.3 g	CB16/2H	50	47.2 g	-	-	-	-
3 pole	free floating	CB4/3	50	30.1 g	-	-	-	-	-	-	-	-	-	-
	with mounting holes	CB4/3H	50	42.3 g	CB6/3H	50	42.5 g	CB16/3H	50	44.6 g	-	-	-	-
4 pole	with mounting holes	-	-	-	CB6/4H	50	29.1 g	-	-	-	-	-	-	-

Dimensions (All dimensions are shown in mm, to convert to inches please divide by 25.4)



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Altech:](#)

[CMB4/2/O](#) [CMB4/5/G](#) [CMB4/2/Y](#) [CMB4/2/W](#)